

In the Claims:

1.-6. (Canceled)

7. (Original) An electronic apparatus which can be powered by a battery and is configured to perform radio communications with another apparatus, comprising:

battery capacity detection means for detecting a remaining capacity of the battery;

audio data reproduction means for reproducing audio data with one of first sound quality and second sound quality lower than the first sound quality; and

control means for switching the sound quality of the audio data reproduced by the audio data reproduction means from the first sound quality to the second sound quality, when the remaining capacity of the battery detected by the battery capacity detection means becomes lower than a predetermined value.

8. (Original) The electronic apparatus according to claim 7, further comprising:

setting means for controlling whether or not the sound quality is switched based on the remaining capacity of the battery.

9. (Original) The electronic apparatus according to claim 8, wherein said control means includes means for outputting a warning sound when the control means detects that the remaining capacity of the battery becomes lower than the predetermined value in a state where the setting means is so set that the sound quality is not switched in accordance with the remaining capacity of the battery.

10. (Original) The electronic apparatus according to claim 7, wherein said audio data reproduction means uses a 5.1-channel mode when the audio data is reproduced with the first sound quality, and uses a 2-channel mode when the audio data is reproduced with the second sound quality.

11. (Original) The electronic apparatus according to claim 7, wherein said electronic apparatus further comprises a headset.

12. (Original) An electronic apparatus which can be powered by a battery and is configured to perform radio communications with another apparatus, comprising:

battery capacity detection means for detecting a remaining capacity of the battery;

radio signal transmission means for transmitting a radio signal at one of a first output level and a second output level lower than the first output level;

audio data reproduction means for reproducing audio data with one of first sound quality and second sound quality lower than the first sound quality;

first control means for switching the output level of the radio signal transmitted by the radio signal transmission means from the first output level to the second output level, when the remaining capacity of the battery detected by the battery capacity detection means becomes lower than a predetermined value;

second control means for switching the sound quality of the audio data reproduced by the audio data reproduction means from the first sound quality to the second sound quality, when the remaining capacity of the battery detected by the battery capacity detection means becomes lower than a predetermined value; and

setting means for independently selecting at least one of the first and second control means.

13.-18. (Canceled)

19. (Currently Amended) An electronic apparatus which can be powered by a battery and is configured to perform radio communications with another apparatus, comprising:

a battery capacity detector configured to detect ~~for detecting~~ a remaining capacity of the battery;

an audio data reproduction device configured to reproduce ~~for reproducing~~ audio data with one of first sound quality and second sound quality lower than the first sound quality; and

a control device configured to switch ~~for switching~~ the sound quality of the audio data reproduced by the audio data reproduction device from the first sound quality to the second

sound quality, when the remaining capacity of the battery detected by the battery capacity detector becomes lower than a predetermined value.

20. (Currently Amended) The electronic apparatus according to claim 19, further comprising:

a setting device configured to control ~~for controlling~~ whether or not the sound quality is switched based on the remaining capacity of the battery.

21. (Original) The electronic apparatus according to claim 20, wherein said control device includes a warning sound device for generating a warning sound when the control device detects that the remaining capacity of the battery is lower than the predetermined value in a state where the setting device is so set that the sound quality is not switched in accordance with the remaining capacity of the battery.

22. (Original) The electronic apparatus according to claim 19, wherein said audio data reproduction device uses a 5.1-channel mode when the audio data is reproduced with the first sound quality, and uses a 2-channel mode when the audio data is reproduced with the second sound quality.

23. (Original) The electronic apparatus according to claim 19, wherein said electronic apparatus further comprises a headset.

24. (Currently Amended) An electronic apparatus which can be powered by a battery and is configured to perform radio communications with another apparatus, comprising:

a battery capacity detector configured to detect ~~for detecting~~ a remaining capacity of the battery;

a radio signal transmitter configured to transmit ~~for transmitting~~ a radio signal at one of a first output level and a second output level lower than the first output level;

an audio data reproduction device configured to reproduce ~~for reproducing~~ audio data with one of first sound quality and second sound quality lower than the first sound quality;

a first control device configured to switch ~~for switching~~ the output level of the radio signal transmitter from the first output level to the second output level, when the remaining

capacity of the battery detected by the battery capacity detector is lower than a predetermined value;

a second control device configured to switch for switching the sound quality of the audio data reproduced by the audio data reproduction device from the first sound quality to the second sound quality, when the remaining capacity of the battery detected by the battery capacity detector becomes lower than a predetermined value; and

a setting device for independently selecting at least one of the first and second control device.

25. (Canceled)

26. (Currently Amended) A system control method for an electronic apparatus which can be driven by a battery and comprises a radio signal transmitter configured to transmit a radio signal at one of a first output level and a second output level lower than the first output level, and an audio data reproduction device configured to reproduce audio data with one of first sound quality and second sound quality lower than the first sound quality said system control method comprising the steps of:

detecting a remaining capacity of the battery; and
switching the output level of the radio signal transmitted by the radio signal transmitter from the first output level to the second output level, when the remaining capacity of the battery detected in the battery capacity detection step becomes lower than a predetermined value

~~The system control method as recited in claim 25 wherein the electronic apparatus further comprises an audio data reproduction device for reproducing audio data with one of first sound quality and second sound quality lower than the first sound quality, said system control method further comprising the steps of:~~

~~detecting a remaining capacity of the battery; and~~
switching the sound quality of the audio data reproduced by the audio data reproduction device from the first sound quality to the second sound quality, when the

remaining capacity of the battery detected in the battery capacity detection step becomes lower than a predetermined value.

27. (Original) A system control method for an electronic apparatus which can be powered by a battery and comprises an audio data reproduction device for reproducing audio data with one of first sound quality and second sound quality lower than the first sound quality, said system control method comprising the steps of:

detecting a remaining capacity of the battery; and

switching the sound quality of the audio data reproduced by the audio data reproduction device from the first sound quality to the second sound quality, when the remaining capacity of the battery detected in the battery capacity detection step becomes lower than a predetermined value.